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(54) Title: PROCESS FOR INCREASING THE YIELD OF LIPID AND OMEGA-3 FATTY ACID IN SEAWEED CULTURE

(57) Abstract: The present invention relates to a new method for producing polyunsaturated fatty acids from algae. The method comprises the step of applying at least growth-limiting factor to an algae culture, causing growth arrest of said algae culture and production and stocking by algae in culture of polyunsaturated fatty acids.

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INTERNATIONAL SEARCH REPORT

International Classification No

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A. CLASSIFICATION OF SUBJECT MATTER
 IPC 7 C12P7/64 C12N1/12

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
 IPC 7 C12P

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, BIOSIS, EMBASE, CHEM ABS Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 91/14427 A (MARTEK CORP) 3 October 1991 (1991-10-03) abstract page 6, paragraph 1 page 9, line 17 - page 11, line 3 example	1-8
A	LOMBARDI A T ET AL: "INFLUENCE OF PHOSPHORUS AND SILICON ON LIPID CLASS PRODUCTION BY THE MARINE DIATOM CHAETOCEROS-GRACILIS GROWN IN THE TURBIDOSTAT CAGE CULTURES" MARINE ECOLOGY PROGRESS SERIES, vol. 77, no. 1, 1991, pages 39-47, XP0008026897 ISSN: 0171-8630 the whole document	1-8

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☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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- *&* document member of the same patent family

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>LOMBARDI A T ET AL: "Particulate lipid class composition of three marine phytoplankters <i>Chaetoceros gracilis</i>, <i>Isochrysis galbana</i> (Tahiti) and <i>Dunaliella tertiolecta</i> grown in batch culture" <i>HYDROBIOLOGIA</i>, vol. 306, no. 1, 1995, pages 1-6, XP0008026898 & ISSN: 0018-8158 the whole document</p>	1-8

INTERNATIONAL SEARCH REPORT

information on patent family members

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